

WHAT IS CLAIMED IS:

1. A device for guiding a movable scroll of a scroll compressor, comprising:
a track that guides the movable scroll and supports radial inertial forces between a fixed scroll and the movable scroll.
2. The device according to claim 1, wherein the track is shaped such that the movable scroll or a part integral therewith is in contact with the track regardless of a rotational speed and the radial inertial forces of the movable scroll.
3. The device according to claim 1, wherein the track is shaped such that the movable scroll or a part integral therewith is in contact with the track only when the radial inertial forces exceed a preset value.
4. The device according to claim 1, wherein the track is disposed on a body of the compressor.
5. The device according to claim 1, wherein the track is disposed on the fixed scroll.
6. The device according to claim 5, wherein the track extends over part of a height of the fixed scroll.
7. The device according to claim 1, wherein tracks are arranged on the fixed scroll and the movable scroll and are obtained by conjugated profiles of these scrolls during orbital movement.
8. The device according to claim 1, wherein the track is continuous.
9. The device according to claim 1, wherein the track is discontinuous.
10. The device according to claims 1, wherein the track is circular.
11. The device according to claim 10, wherein a radius of the guide track is equal to a radius of the movable scroll plus a radius of an orbital movement.
12. The device according to claims 1, wherein the track provides orbital guidance of the movable scroll.
13. The device according to claim 1, wherein the device equips a compressor in which a drive shaft of a crankshaft has a flat part that rests against a flat part of a bearing driving the movable scroll.
14. The device according to claim 1, wherein the device equips a compressor in which a drive shaft of a crankshaft is equipped with a cam cooperating with a circular ring belonging to a drive hub of the movable scroll.
15. The device according to claim 1, wherein the device equips a variable-speed and/or high-rotational-speed scroll compressor.

16. The device according to claim 1, wherein the device equips a high-capacity and/or variable-capacity compressor.